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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1	Web Page for STN Seminar Schedule - N. America
NEWS 2 OCT 02	CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 3 OCT 19	BEILSTEIN updated with new compounds
NEWS 4 NOV 15	Derwent Indian patent publication number format enhanced
NEWS 5 NOV 19	WPIX enhanced with XML display format
NEWS 6 NOV 30	ICSP reloaded with enhancements
NEWS 7 DEC 04	LINPADOCDB now available on STN
NEWS 8 DEC 14	BEILSTEIN pricing structure to change
NEWS 9 DEC 17	USPATOLD added to additional database clusters
NEWS 10 DEC 17	IMSDRUGCON removed from database clusters and STN
NEWS 11 DEC 17	DGENE now includes more than 10 million sequences
NEWS 12 DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 13 DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14 DEC 17	CA/Caplus enhanced with new custom IPC display formats
NEWS 15 DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 16 JAN 02	STN pricing information for 2008 now available
NEWS 17 JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 18 JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 19 JAN 28	MARPAT searching enhanced
NEWS 20 JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 21 JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22 JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23 FEB 08	STN Express, Version 8.3, now available
NEWS 24 FEB 20	PCI now available as a replacement to DPCI
NEWS 25 FEB 25	IFIREF reloaded with enhancements
NEWS 26 FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 27 FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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=> index bioscience  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROB, CROPU, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:19:24 ON 17 MAR 2008

## 69 FILES IN THE FILE LIST IN STNINDEX

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```
=> s thaw?(w)plant cell?
           1   FILE BIOSIS
           1   FILE BIOTECHABS
           1   FILE BIOTECHDS
12 FILES SEARCHED...
           1   FILE CAPLUS
22 FILES SEARCHED...
23 FILES SEARCHED...
30 FILES SEARCHED...
           4   FILE IFIPAT
47 FILES SEARCHED...
           1   FILE PRMT
           5   FILE USPATFULL
66 FILES SEARCHED...
           4   FILE WPIDS
           4   FILE WPNINDEX
```

9 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

## L1 QUE THAW? (W) PLANT CELL?

=> file biosis biotechabs biotechdbs caplus ifipat prompt uspatfull  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 5.85 6.06

FILE 'BIOSIS' ENTERED AT 13:24:49 ON 17 MAR 2008  
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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

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=> s 11  
L2 13 L1

=> dup rem 12  
PROCESSING COMPLETED FOR L2  
L3 8 DUP REM L2 (5 DUPLICATES REMOVED)

=> d 13 1-8

L3 ANSWER 1 OF 8 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 1  
AN 10919968 IFIPAT;IFIUDB;IFICDB  
TI CRYOPRESERVATION OF PLANT CELLS; PREPARING RECOMBINANT PLANTS CELL FOR  
FREEZE DRYING VIA PRETREATMENT OF CELLS WITH CRYOPROTECTIVE AND  
STABILIZER AGENTS; PRESERVING BIOREACTORS WHICH PRODUCE THERAPEUTIC  
PROTEINS  
IN Bare Christopher B; Kadkade Prakash G; Schnabel-Preikstas Barbara; Yu Bin  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2005158699 A1 20050721  
AI US 2004-871705 20040621  
RLI US 1999-307787 19990510 CONTINUATION PENDING  
US 1995-486204 19950607 CONTINUATION-IN-PART 5965438  
US 1997-780449 19970108 CONTINUATION-IN-PART 6753182  
US 2001-15939 20011217 CONTINUATION-IN-PART PENDING  
US 1995-486204 19950607 DIVISION 5965438  
US 1996-659997 19960607 DIVISION 6127181  
FI US 2005158699 20050721  
US 5965438  
US 6753182  
US 5965438  
US 6127181  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
ED Entered STN: 25 Jul 2005  
Last Updated on STN: 22 Jan 2008  
CLMN 48  
GI 8 Figure(s).  
FIGS. 1(A, B and C) Schematics of various cryopreservation and recovery  
protocols.  
FIG. 2 Biosynthetic pathways of ethylene production and points of  
inhibition.  
FIG. 3 Procedure for cryopreservation of Taxus cells.  
FIG. 4 Biomass increase in a *Taxus chinensis* suspension culture line K-1.  
FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison  
with (B) non-cryopreserved cells.  
FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison  
with (B) non-cryopreserved cells.  
FIG. 7 Southern blot analysis of the genetic stability of cryopreserved  
cells.  
FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L3 ANSWER 2 OF 8 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 2  
AN 04086181 IFIPAT;IFIUDB;IFICDB  
TI CRYOPRESERVATION OF PLANT CELLS  
IN Bare Christopher B; Kadkade Prakash G; Schnabel-Preikstas Barbara; Yu Bin  
PA Phyton Inc (51108)  
PI US 6753182 B1 20040622  
AI US 1997-780449 19970108  
RLI US 1995-486204 19950607 DIVISION 5965438  
FI US 6753182 20040622  
US 5965438  
DT Utility; REASSIGNED; Granted Patent - Utility, no Pre-Grant Publication  
FS CHEMICAL  
GRANTED  
ED Entered STN: 24 Jun 2004  
Last Updated on STN: 13 Jan 2005  
CLMN 48  
GI 9 Drawing Sheet(s), 12 Figure(s).  
FIG. 1 Schematic of various cryopreservation and recovery protocols.  
FIG. 2 Procedure for cryopreservation of Taxus cells.  
FIG. 3 Biomass increase in a Taxus chinensis suspension culture line K-1.  
FIG. 4 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
FIG. 6 Analysis of genetic stability of cryopreserved cells by Southern blot.  
FIG. 7 Analysis of genetic stability of cryopreserved by PCR.

L3 ANSWER 3 OF 8 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 3  
AN 10287590 IFIPAT;IFIUDB;IFICDB  
TI CRYOPRESERVATION OF DIVERSE PLANT CELLS; RECOVERING CRYOGENICALLY PRESERVED PLANT CELLS; OBTAIN CELLS, MELT, INCUBATE IN NUTRIENT BROTH, RECOVER Viable CELLS  
IN Kadkade Prakash  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2003031998 A1 20030213  
AI US 2001-15939 20011217  
RLI US 1996-659997 19960607 CONTINUATION 6127181  
US 1999-307787 19990510 CONTINUATION ABANDONED  
US 1995-486204 19950607 CONTINUATION-IN-PART 5965438  
FI US 2003031998 20030213  
US 6127181  
US 5965438  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
ED Entered STN: 18 Feb 2003  
Last Updated on STN: 4 Feb 2004  
CLMN 60  
GI 8 Figure(s).  
FIG. 1 (A, B and C) Schematics of various cryopreservation and recovery protocols.  
FIG. 2 Biosynthetic pathways of ethylene production and points of inhibition.  
FIG. 3 Procedure for cryopreservation of Taxus cells.  
FIG. 4 Biomass increase in a Taxus chinensis suspension culture line K-1.  
FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
FIG. 7 Southern blot analysis of the genetic stability of cryopreserved

cells.

FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L3 ANSWER 4 OF 8 PROMT COPYRIGHT 2008 Gale Group on STN

ACCESSION NUMBER: 2001:1094670 PROMT  
TITLE: Multipurpose Cryogenic Surface Apparatus: A Liquid Nitrogen-Chilled Sample Tray.  
AUTHOR(S): Adam, N. R.; Wall, G. W.  
SOURCE: Crop Science, (May 2001) Vol. 41, No. 3, pp. 755.  
ISSN: ISSN: 0011-183X.  
PUBLISHER: Crop Science Society of America  
DOCUMENT TYPE: Newsletter  
LANGUAGE: English  
WORD COUNT: 2678

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

L3 ANSWER 5 OF 8 BIOTECHDS COPYRIGHT 2008 THE THOMSON CORP. on STN  
DUPLICATE 4

AN 2001-01294 BIOTECHDS  
TI Cryopreserving plant cell involves preculturing plant cell with divalent cation and osmotic agent, loading plant cell with cryoprotecting agent, vitrifying and then freezing at cryopreservation temperature; plant cell cryopreservation  
AU Kadkade P G  
PA Phyton  
LO Ithaca, NY, USA.  
PI US 6127181 3 Oct 2000  
AI US 1996-659997 7 Jun 1996  
PRAI US 1996-659997 7 Jun 1996  
DT Patent  
LA English  
OS WPI: 2000-627986 [60]

L3 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2000:432302 CAPLUS  
DN 133:235066  
TI Effect of postthaw treatments on viability of cryopreserved plant cells  
AU Watanabe, Katsumi  
CS Department of Food and Nutrition, Faculty of Agriculture, Kinki University, Nara, 631-8505, Japan  
SO Conservation of Plant Genetic Resources In Vitro (2000), Volume 2, 3-19.  
Editor(s): Razdan, M. K.; Cocking, E. C. Publisher: Science Publishers, Inc., Enfield, N. H.  
CODEN: 69ABGC  
DT Conference; General Review  
LA English  
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 8 USPATFULL on STN

AN 1998:124774 USPATFULL  
TI Cryopreservation of plant cells  
IN Kadkade, Prakash G., Marlboro, MA, United States  
Bare, Christopher B., San Francisco, CA, United States  
Schnabel-Preikstas, Barbara, Ithaca, NY, United States  
Yu, Bin, Ithaca, NY, United States  
PA Phyton, Inc., Ithaca, NY, United States (U.S. corporation)  
PI US 5965438 19991012  
AI US 1995-486204 19950607 (8)  
DT Utility  
FS Granted

LN.CNT 1513  
 INCL INCLM: 435/420.000  
     INCLS: 424/093.700; 435/001.300; 435/430.100  
 NCL NCLM: 435/420.000  
     NCLS: 424/093.700; 435/001.300; 435/430.100  
 IC [6]  
     ICM A01N063-00  
     ICS A01N065-00; C12N005-04  
 IPCI A01N0063-00 [ICM,6]; A01N0065-00 [ICS,6]; C12N0005-04 [ICS,6]  
 IPCR A01H0004-00 [I,C\*]; A01H0004-00 [I,A]; A01N0003-00 [I,C\*];  
     A01N0003-00 [I,A]; C12N0005-02 [I,C\*]; C12N0005-02 [I,A];  
     C12N0005-04 [I,C\*]; C12N0005-04 [I,A]  
 EXF 435/240.4; 435/240.54; 435/420; 435/430.1; 424/93.7; 424/1.3  
  
 L3 ANSWER 8 OF 8 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
 AN 1992:210600 BIOSIS  
 DN PREV199293110825; BA93:110825  
 TI EFFECT OF CRYOPRESERVATION ON THE STATE OF WATER IN BIOLOGICAL OBJECTS.  
 AU PILIPENKO T D [Reprint author]; MANK V V  
 CS MV LOMONOSOV ODESSA TECHNOL INST FOOD IND, ODESSA, UKR  
 SO Izvestiya Vysshikh Uchebnykh Zavedenii Fishchovaya Tekhnologiya, (1990)  
     No. 6, pp. 24-27.  
 CODEN: IVUPA8. ISSN: 0579-3009.  
 DT Article  
 FS BA  
 LA RUSSIAN  
 ED Entered STN: 4 May 1992  
     Last Updated on STN: 4 May 1992

=> d 13 8 ab

L3 ANSWER 8 OF 8 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
 AB PMR spectra were used to study the state of water in eggplants during  
     freezing and in green peas during freezing-thawing. The use of the PMR  
     method makes it possible to obtain complete data on the degree of the  
     dispersity of the plant cell colloid system and the state of water in the  
     system. The results of the study can be used in the production of  
     preserves from frozen raw materials and to determine adequate lengths of  
     storage for fruits and vegetables.

=> s 13 and cryoprotectant?  
 L4                   2' L3 AND CRYOPROTECTANT?

=> d 14 1-2

L4 ANSWER 1 OF 2 IFIPAT COPYRIGHT 2008 IFI on STN  
 AN 10919968 IFIPAT;IFIUDB;IFICDB  
 TI CRYOPRESERVATION OF PLANT CELLS; PREPARING RECOMBINANT PLANTS CELL FOR  
     FREEZE DRYING VIA PRETREATMENT OF CELLS WITH CRYOPROTECTIVE AND  
     STABILIZER AGENTS; PRESERVING BIOREACTORS WHICH PRODUCE THERAPEUTIC  
     PROTEINS  
 IN Bare Christopher B; Kadkade Prakash G; Schnabel-Preikstas Barbara; Yu Bin  
 PA Unassigned Or Assigned To Individual (68000)  
 PI US 2005158699 AI 20050721  
 AI US 2004-871705 20040621  
 RLI US 1999-307787 19990510 CONTINUATION PENDING  
     US 1995-486204 19950607 CONTINUATION-IN-PART 5965438  
     US 1997-780449 19970108 CONTINUATION-IN-PART 6753182  
     US 2001-15939 20011217 CONTINUATION-IN-PART PENDING  
     US 1995-486204 19950607 DIVISION 5965438

US 1996-659997 19960607 DIVISION 6127181  
 FI US 2005158699 20050721  
 US 5965438  
 US 6753182  
 US 5965438  
 US 6127181  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 ED Entered STN: 25 Jul 2005  
 Last Updated on STN: 22 Jan 2008  
 CLMN 48  
 GI 8 Figure(s).  
 FIGS. 1(A, B and C) Schematics of various cryopreservation and recovery protocols.  
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 FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
 FIG. 7 Southern blot analysis of the genetic stability of cryopreserved cells.  
 FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.  
  
 L4 ANSWER 2 OF 2 USPATFULL on STN  
 AN 1999:124774 USPATFULL  
 TI Cryopreservation of plant cells  
 IN Kadade, Prakash G., Marlboro, MA, United States  
     Bare, Christopher B., San Francisco, CA, United States  
     Schnabel-Preikstas, Barbara, Ithaca, NY, United States  
     Yu, Bin, Ithaca, NY, United States  
 PA Phyton, Inc., Ithaca, NY, United States (U.S. corporation)  
 PI US 5965438 19991012  
 AI US 1995-486204 19950607 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 1513  
 INCL INCLM: 435/420.000  
       INCLS: 424/093.700; 435/001.300; 435/430.100  
 NCL NCLM: 435/420.000  
       NCLS: 424/093.700; 435/001.300; 435/430.100  
 IC [6]  
     ICM A01N063-00  
     ICS A01N065-00; C12N005-04  
     IPCI A01N0063-00 [ICM,6]; A01N0065-00 [ICS,6]; C12N0005-04 [ICS,6]  
     IPCR A01H0004-00 [I,C\*]; A01H0004-00 [I,A]; A01N0003-00 [I,C\*];  
           A01N0003-00 [I,A]; C12N0005-02 [I,C\*]; C12N0005-02 [I,A];  
           C12N0005-04 [I,C\*]; C12N0005-04 [I,A]  
 EXF 435/240.4; 435/240.54; 435/420; 435/430.1; 424/93.7; 424/1.3

=> d hist

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
 AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
 CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
 DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:19:24 ON 17 MAR 2008

## SEA THAW? (W) PLANT CELL?

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1 FILE BIOSIS
1 FILE BIOTECHABS
1 FILE BIOTECHDS
1 FILE CAPLUS
4 FILE IFIPAT
1 FILE PROMT
5 FILE USPATFULL
4 FILE WPIDS
4 FILE WINDEX
1 FILE THANW?(W) PLANT CELL?
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FILE 'BIOSIS, BIOTECHDS, CAPLUS, IFIPAT, PROMT, USPATFULL' ENTERED AT  
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L2           13 S L1  
L3           8 DUP REM L2 (5 DUPLICATES REMOVED)  
L4           2 S L3 AND CRYOPROTECTANT?

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y/N/HOLD:y
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY        SESSION
FULL ESTIMATED COST          37.04         43.10
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STN INTERNATIONAL LOGOFF AT 13:26:37 ON 17 MAR 2008

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NEWS 2 DEC 01 ChemPort single article sales feature unavailable  
NEWS 3 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 4 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
Classification Data  
NEWS 5 FEB 02 Simultaneous left and right truncation (SLART) added  
for CERAB, COMPUAAB, ELCOM, and SOLIDSTATE  
NEWS 6 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING  
NEWS 7 FEB 06 Patent sequence location (PSL) data added to USGENE  
NEWS 8 FEB 10 COMPENDEX reloaded and enhanced  
NEWS 9 FEB 11 WTEXTILES reloaded and enhanced  
NEWS 10 FEB 19 New patent-examiner citations in 300,000 CA/CAplus  
patent records provide insights into related prior  
art  
NEWS 11 FEB 19 Increase the precision of your patent queries -- use

NEWS 12	FEB 23	terms from the IPC Thesaurus, Version 2009.01 Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 13	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 14	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MESH terms
NEWS 15	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 16	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 17	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 18	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 19	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 20	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 21	MAR 23	CA/Cplus enhanced with more than 250,000 patent equivalents from China
NEWS 22	MAR 30	IMSPATENTS reloaded and enhanced
NEWS 23	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 24	APR 07	STN is raising the limits on saved answers
NEWS 25	APR 24	CA/Cplus now has more comprehensive patent assignee information
NEWS 26	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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=> index bioscience  
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COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROBPU, CROPU, DDFB, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGH, EMBAL, EMBASE, ...' ENTERED AT 18:10:29 ON 27 APR 2009

#### 68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

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=> s cryopreserv?(p)plant(p)cell# and wash? and thaw? and heat? and
remov?(p)cryoprotect? and stabilizer
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    0* FILE ANTE
    0* FILE AQUALINE
    0* FILE BIOENG
    0* FILE BIOTECHABS
    0* FILE BIOTECHDS
    0* FILE BIOTECHNO
13 FILES SEARCHED...
    0* FILE CEABA-VTB
    0* FILE CIN
23 FILES SEARCHED...
    0* FILE FOMAD
    0* FILE FOREGE
    0* FILE FROSTI
    0* FILE FSTA
    1 FILE IFIPAT
    0* FILE KOSMET
43 FILES SEARCHED...
    0* FILE NTIS
    0* FILE NUTRACEUT
    0* FILE PASCAL
    0* FILE PHARMAML
58 FILES SEARCHED...
    7 FILE USPATFULL
    0* FILE WATER
    2 FILE WPIDS
66 FILES SEARCHED...
    2 FILE WPINDEX
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4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 QUE CRYOPRESERV?(P) PLANT(P) CELL# AND WASH? AND THAW? AND HEAT? AND REMOV?
?(P) CRYOPROTECT? AND STABILIZER

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                                ENTRY      SESSION
FULL ESTIMATED COST          5.44        5.66
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FILE 'IFIPAT' ENTERED AT 18:15:12 ON 27 APR 2009
COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 18:15:12 ON 27 APR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

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L2          8 L1
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=> dup rem l2
PROCESSING COMPLETED FOR L2
L3          7 DUP REM L2 (1 DUPLICATE REMOVED)
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=> d 13 1-7
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L3 ANSWER 1 OF 7 USPATFULL on STN
AN 2009:31970 USPATFULL
TI Cryoprotective Compositions and Methods of Using Same

IN Gabbai, Eran, Kfar-MaAs, ISRAEL  
PA Do-Coop Technologies Ltd. (non-U.S. corporation)  
PI US 20090029340 A1 20090129  
AI US 2007-87429 A1 20070104 (12)  
WO 2007-IL13 20070104  
20080703 PCT 371 date  
PRAI US 2006-11324586 20060104  
US 2006-755850P 20060104 (60)  
US 2006-755852P 20060104 (60)  
US 2006-755851P 20060104 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1645  
INCL INCLM: 435/013.000  
INCLS: 435/325.000; 435/374.000  
NCL NCLM: 435/001.300  
NCLS: 435/325.000; 435/374.000  
IC IPCI A01N0001-02 [I,A]; C12N0005-06 [I,A]; A01N0001-00 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 7 USPATFULL on STN  
AN 2006:250298 USPATFULL  
TI Compositions and methods for cryopreservation of peripheral blood lymphocytes  
IN Hubel, Allison, St. Paul, MN, UNITED STATES  
PA Regents of the University of Minnesota, Minneapolis, MN, UNITED STATES (U.S. corporation)  
PI US 7112576 B1 20060926  
AI US 1999-458862 19991210 (9)  
DT Utility  
FS GRANTED  
LN.CNT 1781  
INCL INCLM: 514/054.000  
NCL NCLM: 514/054.000  
IC IPCI A61K0031-70 [I,A]  
IPCR A61K0031-70 [I,C]; A61K0031-70 [I,A]; A01N0001-02 [I,C\*];  
A01N0001-02 [I,A]  
EXF 514/54  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 7 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 1  
AN 10919968 IFIPAT;IFIUDB;IFICDB  
TI Cryopreservation of plant cells; Preparing recombinant plants cell for freeze drying via pretreatment of cells with cryoprotective and stabilizer agents; preserving bioreactors which produce therapeutic proteins  
IN Bare Christopher B; Kadkade Prakash G; Schnabel-Freikstas Barbara; Yu Bin  
PA Unassigned Or Assigned To Individual (68000)  
PPA Phyton Inc (Probable)  
PI US 20050158699 A1 20050721  
AI US 2004-871705 20040621  
RLI US 1999-307787 19990510 CONTINUATION PENDING  
US 1995-486204 19950607 CONTINUATION-IN-PART 5965438  
US 1997-780449 19970108 CONTINUATION-IN-PART 6753182  
US 2001-15939 20011217 CONTINUATION-IN-PART PENDING  
US 1995-486204 19950607 DIVISION 5965438  
US 1996-659997 19960607 DIVISION 6127181  
FI US 20050158699 20050721  
US 5965438  
US 6753182  
US 5965438  
US 6127181

DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
ED Entered STN: 25 Jul 2005  
Last Updated on STN: 22 Jan 2008  
CLMN 48  
GI 8 Figure(s).  
FIGS. 1(A, B and C) Schematics of various cryopreservation and recovery protocols.  
FIG. 2 Biosynthetic pathways of ethylene production and points of inhibition.  
FIG. 3 Procedure for cryopreservation of Taxus cells.  
FIG. 4 Biomass increase in a *Taxus chinensis* suspension culture line K-1.  
FIG. 5 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
FIG. 6 Chromatograms of (A) cells cryopreserved for 6 months in comparison with (B) non-cryopreserved cells.  
FIG. 7 Southern blot analysis of the genetic stability of cryopreserved cells.  
FIG. 8 PCR analysis of the genetic stability of cryopreserved cells.

L3 ANSWER 4 OF 7 USPATFULL on STN  
AN 2004:154442 USPATFULL  
TI Cryopreservation of plant cells  
IN Kadkade, Prakash G., Marlboro, MA, United States  
Bare, Christopher B., San Francisco, CA, United States  
Schnabel-Preikstas, Barbara, Ithaca, NY, United States  
Yu, Bin, Ithaca, NY, United States  
PA Phyton, Inc., Ithaca, NY, United States (U.S. corporation)  
PI US 6753182 B1 20040622  
AI US 1997-780449 19970108 (8)  
RLI Division of Ser. No. US 1995-486204, filed on 7 Jun 1995, now patented,  
Pat. No. US 5965438  
DT Utility  
FS GRANTED  
LN.CNT 1519  
INCL INCLM: 435/420.000  
INCLS: 435/260.000; 435/422.000; 435/430.000  
NCL NCLM: 435/420.000  
NCLS: 435/260.000; 435/422.000; 435/430.000  
IC [7]  
ICM C12N001-04  
ICS C12N005-00; C12N005-02  
IPCI C12N001-04 [ICM,7]; C12N005-00 [ICS,7]; C12N005-02 [ICS,7]  
IPCR A01H0004-00 [I,C\*]; A01H0004-00 [I,A]; A01N0003-00 [I,C\*];  
A01N0003-00 [I,A]; C12N005-02 [I,C\*]; C12N005-02 [I,A];  
C12N005-04 [I,C\*]; C12N005-04 [I,A]  
EXF 435/240.4; 435/240.54; 435/410; 435/420; 435/422; 435/430; 435/431;  
435/67; 435/DIG.192; 435/FOR100; 435/FOR114; 435/FOR122  
  
L3 ANSWER 5 OF 7 USPATFULL on STN  
AN 2003:44688 USPATFULL  
TI Cryopreservation of diverse plant cells  
IN Kadkade, Prakash, Marlboro, MA, UNITED STATES  
PI US 2003031998 A1 20030213  
AI US 2001-15939 A1 20011217 (10)  
RLI Continuation of Ser. No. US 1999-307787, filed on 10 May 1999, ABANDONED  
Continuation of Ser. No. US 1996-659997, filed on 7 Jun 1996, GRANTED,  
Pat. No. US 6127181 Continuation-in-part of Ser. No. US 1995-486204,  
filed on 7 Jun 1995, GRANTED, Pat. No. US 5965438  
DT Utility  
FS APPLICATION

LN.CNT 2073  
INCL INCLM: 435/002.000  
INCLS: 435/419.000  
NCL NCLM: 435/002.000  
NCLS: 435/419.000  
IC [7]  
    ICM A01N001-02  
    ICS C12N005-04  
    IPCI A01N0001-02 [ICM,7]; C12N0005-04 [ICS,7]  
    IPCR A01N0001-02 [I,C\*]; A01N0001-02 [I,A]; C12N0005-04 [I,C\*];  
                C12N0005-04 [I,A]

L3 ANSWER 6 OF 7 USPATFULL on STN  
AN 2000:131653 USPATFULL  
TI Cryopreservation of plant cells  
IN Kadkade, Prakash G., Marlboro, MA, United States  
PA Phyton, Inc., Ithaca, NY, United States (U.S. corporation)  
PI US 6127181 20001003  
AI US 1996-659997 19960607 (8)  
RLI Continuation-in-part of Ser. No. US 1995-486204, filed on 7 Jun 1995  
DT Utility  
FS Granted  
LN.CNT 1955  
INCL INCLM: 435/420.000  
INCLS: 435/001.300; 435/430.100; 424/093.700  
NCL NCLM: 435/420.000  
NCLS: 424/093.700; 435/001.300; 435/430.100  
IC [7]  
    ICM A01N063-00  
    ICS A01N065-00; C12N005-04  
    IPCI A01N0063-00 [ICM,7]; A01N0065-00 [ICS,7]; C12N0005-04 [ICS,7]  
    IPCR A01N0003-00 [I,A]; A01N0003-00 [I,C\*]  
EXF 435/1.3; 435/420-430.1; 424/93.7

L3 ANSWER 7 OF 7 USPATFULL on STN  
AN 1999:124774 USPATFULL  
TI Cryopreservation of plant cells  
IN Kadkade, Prakash G., Marlboro, MA, United States  
Bare, Christopher B., San Francisco, CA, United States  
Schnabel-Preibstas, Barbara, Ithaca, NY, United States  
Yu, Bin, Ithaca, NY, United States  
PA Phyton, Inc., Ithaca, NY, United States (U.S. corporation)  
PI US 5965438 19991012  
AI US 1995-486204 19950607 (8)  
DT Utility  
FS Granted  
LN.CNT 1513  
INCL INCLM: 435/420.000  
INCLS: 424/093.700; 435/001.300; 435/430.100  
NCL NCLM: 435/420.000  
NCLS: 424/093.700; 435/001.300; 435/430.100  
IC [6]  
    ICM A01N063-00  
    ICS A01N065-00; C12N005-04  
    IPCI A01N0063-00 [ICM,6]; A01N0065-00 [ICS,6]; C12N0005-04 [ICS,6]  
    IPCR A01H0004-00 [I,C\*]; A01H0004-00 [I,A]; A01N0003-00 [I,C\*];  
                A01N0003-00 [I,A]; C12N0005-02 [I,C\*]; C12N0005-02 [I,A];  
                C12N0005-04 [I,C\*]; C12N0005-04 [I,A]  
EXF 435/240.4; 435/240.54; 435/420; 435/430.1; 424/93.7; 424/1.3

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L3 ANSWER 1 OF 7 USPATFULL on STN  
AN 2009:31970 USPATFULL  
TI Cryoprotective Compositions and Methods of Using Same  
IN Gabrai, Eran, Kfar-MaAs, ISRAEL  
PA Do-Coop Technologies Ltd. (non-U.S. corporation)  
PI US 20090029340 A1 20090129  
AI US 2007-87429 A1 20070104 (12)  
WO 2007-IL13 20070104  
20080703 PCT 371 date  
PRAI US 2006-11324586 20060104  
US 2006-755850P 20060104 (60)  
US 2006-755852P 20060104 (60)  
US 2006-755851P 20060104 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1645  
INCL INCLM: 435/013.000  
INCLS: 435/325.000; 435/374.000  
NCL NCLM: 435/001.300  
NCLS: 435/325.000; 435/374.000  
IC IPCI A01N0001-02 [I,A]; C12N0005-06 [I,A]; A01N0001-00 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 18:10:12 ON 27 APR 2009)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 18:10:29 ON 27 APR 2009  
SEA CRYOPRESERV?(F)PLANT(P)CELL# AND WASH? AND THAW? AND HEAT?

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0\* FILE ADISNEWS  
0\* FILE ANTE  
0\* FILE AQUALINE  
0\* FILE BIOENG  
0\* FILE BIOTECHABS  
0\* FILE BIOTECHDS  
0\* FILE BIOTECHNO  
0\* FILE CEABA-VTB  
0\* FILE CIN  
0\* FILE FOMAD  
0\* FILE FOREGE  
0\* FILE FROSTI  
0\* FILE FSTA  
1 FILE IFIPAT  
0\* FILE KOSMET  
0\* FILE NTIS  
0\* FILE NUTRACEUT  
0\* FILE PASCAL  
0\* FILE PHARMAML  
7 FILE USPATFULL  
0\* FILE WATER

2 FILE WPIDS  
2 FILE WPINDEX  
L1 QUE CRYOPRESERV?(P) PLANT(P) CELL# AND WASH? AND THAW? AND HEAT  
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FILE 'IFIPAT, USPATFULL' ENTERED AT 18:15:12 ON 27 APR 2009  
L2 8 S L1  
L3 7 DUP REM L2 (1 DUPLICATE REMOVED)

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:y  
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FULL ESTIMATED COST ENTRY SESSION  
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